	Application No.	Applicant(s)
Notice of Allowability	09/426,878	HORIYAMA, JUN
	Examiner	Art Unit	
	Phuoc H. Nguyen	2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *April 4, 2006*.

2. ☒ The allowed claim(s) is/are *24, 30-33, 39-41,51,53 and 57-59*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☒ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

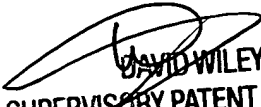   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Frank L. Cire (Reg. No. 42,419) on July 12, 2006.

Listing of the Claims:

Please cancel claims 26 and 35, and amend claims 24, 31-33, 40-41, 51, 53, and 58-59 as

follows:

24. (Currently amended) A host computer that communicates with a plurality of

printing apparatuses via a network, said host computer comprising:

a reference unit adapted to refer to font registration information that includes

information specifying at least one font registered in each of the plurality of printing apparatuses;

a font registration unit adapted to download font data by a font name unit to any

one of the plurality of printing apparatuses for registration;

a management unit adapted to retain the font registration information irrespective

of a timing for executing a printing process, indicating the font name unit font data downloaded

to each of the plurality of printing apparatuses by said font registration unit;

a selection unit adapted to select a deletion combination of any one of the

plurality of printing apparatuses and a font name, based on the font registration information

referred to by said reference unit; [[and]]

an instruction unit adapted to issue a delete instruction to any one of the plurality

of printing apparatuses to delete the font name unit font data; and

a second selection unit adapted to select a download combination of any one of

the plurality of printing apparatuses and a font name, based on the font registration information

referred to by said reference unit, wherein said font registration unit issues a download

instruction to any one of the plurality of printing apparatuses to download the font name unit font

data in accordance with the selected download combination.

31. (Currently amended) A host computer that communicates with a management

apparatus, which manages fonts, and a plurality of printing apparatuses via a network, said host

computer comprising:

a reference unit adapted to refer to font registration information that

includes information specifying at least one font registered in each of the plurality of

printing apparatuses, wherein the font registration information is retained in the

management apparatus;

a font registration unit adapted to download font data by a font name unit to an,

one of the plurality of printing apparatuses for registration;

a transmission unit adapted to transmit registration information, indicating

the font name unit font data downloaded to each of the plurality of printing apparatuses by said

font registration unit, to the management apparatus so as to update the font registration

information retained, irrespective of a timing for executing a printing process, in the

management apparatus;

a selection unit adapted to select a deletion combination of any one of the

plurality of printing apparatuses and a font name, based on the font registration information

referred to by said reference unit; [[and]]

an instruction unit adapted to issue a delete instruction to any one of the plurality

of printing apparatuses to delete the font name unit font data in accordance with the deletion

combination selected by said selection unit; and

a second selection unit adapted to select a download combination of any one of

the plurality of printing apparatuses and a font name, based on the font registration information

referred to by said reference unit, wherein said font registration unit issues a download

instruction to any one of the plurality of printing apparatuses to download the font name unit font

data in accordance with the selected download combination.

32. (Currently amended) A print system comprising a plurality of printing

apparatuses and a host computer that communicates via a network, in which system font data by

a font name unit from said host computer is registered in said printing apparatuses, and said

printing apparatuses perform a printing process using the registered font name unit font data,

wherein said host computer comprises:

a reference unit adapted to refer to font registration information that

includes information specifying at least one font registered in each of said plurality

of printing apparatuses;

a font registration unit adapted to download the font name unit font

data to any one of said plurality of printing apparatuses for registration;

a management unit adapted to retain the font registration information

irrespective of a timing for executing the printing process, indicating the font name unit font data

downloaded to each of the plurality of printing apparatuses by the font registration unit;

a selection unit adapted to select a deletion combination of any one of said

plurality of printing apparatuses and a font name, based on the font registration information

referred to by said reference unit; [[and]]

an instruction unit adapted to issue a delete instruction to any one of said

plurality of printing apparatuses to delete the font name unit font data in accordance with the

deletion combination selected by said selection unit; and a second selection unit adapted to select

a download combination of any one of the plurality of printing apparatuses and a font name,

based on the font registration information referred to by said reference unit, wherein said font

registration unit issues a download instruction to any one of the plurality of printing apparatuses

to download the font name unit font data in accordance with the selected download combination

33. (Currently amended) A management method of a host computer that

communicates with a plurality of printing apparatuses via a network, said method comprising:

a font registration step of downloading font data by a font name unit to any one of

the plurality of printing apparatuses for registration;

a management step, performed by a management unit, of retaining the font

registration information irrespective of a timing for executing a printing process, indicating the

font name unit font data downloaded to each of the plurality of printing apparatuses in said font

registration step;

a selection step of selecting a deletion combination of any one of the plurality of

printing apparatuses and a font name, based on the font registration information referred to by in

said reference step; [[and]]

an instruction step of issuing a delete instruction to any one of the plurality of

printing apparatuses to delete the font name unit font data in accordance with the deletion

combination selected in said selection step; and

a second selection step of selecting a download combination of any one of the

plurality of printing apparatuses and a font name, based on the font registration information

referred to in said reference step, wherein said font registration step issues a download

instruction to any one of the plurality of printing apparatuses to download the font name unit font

data in accordance with the selected download combination.

40. (Currently amended) A management method of a host computer that

communicates with a management apparatus, which manages fonts, and a plurality of printing

apparatuses via a network, said method comprising:

a reference step of referring to font registration information that includes

information specifying at least one font registered in each of the plurality of printing apparatuses,

wherein the font registration information is retained in the management apparatus;

a font registration step of downloading font data by a font name unit to any one of

the plurality of printing apparatuses for registration;

a transmission step of transmitting font registration information, indicating the

font name unit font data downloaded to each of the plurality of printing apparatuses in said font

registration step, to the management apparatus so as to update the font registration information

retained, irrespective of a timing for executing a printing process, in the management apparatus;

a selection step of selecting a deletion combination of any one of said plurality of

printing apparatuses and a font name, based on the font registration information retained in said

transmission step; [[and]]

an instruction step of issuing a delete instruction to any one of the plurality of

printing apparatuses to delete the font name unit font data in accordance with the selected

deletion combination selected in said selection step; and

a second selection step of selecting a download combination of any one of the

plurality of printing apparatuses and a font name, based on the font registration information

referred to in said reference step, wherein said font registration step issues a download

instruction to any one of the plurality of printing apparatuses to download the font name unit font

data in accordance with the selected download combination.

41. (Currently amended) A management method of a print system that includes a

plurality of printing apparatuses and a host computer that communicates via a network, in which

system font data by a font name unit from the host computer is registered in the printing

apparatuses, and the printing apparatuses perform a printing process using the registered font

name unit font data, said method comprising, at the host computer:

a reference step of referring to font registration information that includes

information specifying at least one font registered in each of the plurality of printing apparatuses;

a font registration step of downloading the font name unit font data to the plurality

of printing apparatuses for registration;

a management step of retaining the font registration information irrespective

of a timing for executing the printing process, indicating the font name unit font data

downloaded to each of the plurality of printing apparatuses in said font registration step;

a selection step of selecting a deletion combination of any one of said plurality of

printing apparatuses and a font name, based on the font registration information referred to in

said reference step; [[and]]

an instruction step of issuing a delete instruction to any one of the plurality of

printing apparatuses to delete the font name unit font data in accordance with the deletion

combination selected in said selection step; and

a second selection step of selecting a download combination of any one of the

plurality of printing apparatuses and a font name, based on the font registration information

referred to in said reference step, wherein said font registration step issues a download

instruction to any one of the plurality of printing apparatuses to download the font name unit font

data in accordance with the selected download combination.

51. (Currently amended) A computer-executable program stored on a computer-

readable medium, the computer-executable program product embodying a program for

implementing a management method of a host computer that communicates with a plurality of

printing apparatuses via a network, said computer program comprising:

code for a reference step of referring to font registration information that includes

information specifying at least one font registered in each of the plurality of printing apparatuses;

code for a font registration step of downloading font data by a font name unit to

the plurality of printing apparatuses for registration;

code for a management step, performed by a management unit, of retaining the

font registration information and manage registration information irrespective of a timing for

executing a printing process, indicating the font name unit font data downloaded to each of the

plurality of printing apparatuses by said code for a font registration step;

code for a selection step of selecting a deletion combination of any one of the

plurality of printing apparatuses and a font name, based on the font registration information

referred to in said reference step; [[and]]

code for an instruction step of issuing a delete instruction to any one of the

plurality of printing apparatuses to delete the font name unit font data in accordance with the

deletion combination selected by said selection step; and

code for a second selection step of selecting a download combination of any one

of the plurality of printing apparatuses and a font name, based on the font registration

information referred to in said reference step, wherein said font registration step issues a

download instruction to any one of the plurality of printing apparatuses to download the font

name unit font data in accordance with the selected download combination.

58. (Currently amended) A computer-executable program stored on a computer-

readable medium, the computer-executable program product embodying a program for

implementing a management method of a host computer that communicates with a management

apparatus, which manages fonts, and a plurality of printing apparatuses via a network, said

computer program comprising:

code for a reference step of referring to font registration information that

includes information specifying at least one font registered in each of the plurality of

printing apparatuses, wherein the font registration information is retained in the

:management apparatus;

code for a font registration step of downloading font data by a font name unit to

any one of the plurality of printing apparatuses for registration;

code for a transmission step of transmitting registration information, indicating

the font name unit font data downloaded to each of the plurality of printing apparatuses by said

code for a font registration step, to the management apparatus so as to update the font

registration information retained, irrespective of a timing for executing a printing process, in the

management apparatus;

code for a selection step of selecting a deletion combination of any one of the

plurality of printing apparatuses and a font name, based on the font registration information

referred to by in said reference step; [[and]]

code for an instruction step of issuing a delete instruction to any one of the

plurality of printing apparatuses to delete the font name unit font data in accordance with the

deletion combination selected in said selection step; and

code for a second selection step of selecting a download combination of any one

of the plurality of printing apparatuses and a font name, based on the font registration

information referred to in said reference step, wherein said font registration step issues a

download instruction to any one of the plurality of printing apparatuses to download the font

name unit font data in accordance with the selected download combination.

59. (Currently amended) A computer-executable program stored on a computer-

readable medium, the computer-executable program ~~product embodying a program~~ for

implementing a management method of a print system that includes a plurality of printing

apparatuses and a host computer that communicates via a network, in which system font data by

a font name unit from the host computer is registered in the printing apparatuses, and the printing

apparatuses perform a printing process using the registered font name unit font data, said

computer program comprising, at the host computer:

code for a reference step of referring to font registration information that includes

information specifying at least one font registered in each of the plurality of printing apparatuses;

code for a font registration step of downloading the font name unit font data to the

plurality of printing apparatuses for registration;

code for a management step of retaining the font registration information

irrespective of a timing for execution of the printing process, indicating the font name unit font

data downloaded to each of the plurality of printing apparatuses by said code for a font

registration step;

code for a selection step of selecting a deletion combination of any one of said

plurality of printing apparatuses and a font name, based on the font registration information

referred to in said reference step; [[and]]

code for an instruction step of issuing a delete instruction to any one of the
plurality of printing apparatuses to delete the font name unit font data in accordance with the
deletion combination selected in said selection step; and

code for a second selection step of selecting a download combination of any one
of the plurality of printing apparatuses and a font name, based on the font registration
information referred to in said reference step, wherein said font registration step issues a
download instruction to any one of the plurality of printing apparatuses to download the font
name unit font data in accordance with the selected download combination.

Examiner's Statement of Reasons for Allowance

1.   This office action is in response to the amendment filed on April 11, 2006 and

Supplemental Amendment filed on April 4, 2006.

2.   Applicant amended claims 24, 26, 31, 32, 33, 35, 40, 41, 51, 53, 58, and 59.

3.   Claims 24, 26, 30-33, 35, 39-41, 51, 53, and 57-59 are allowed

4.   Claims include limitations that the prior art of record does not appear to teach or render

obvious the claimed limitations as recited below.

5.   The following is a statement of reasons for the indication of allowable subject matter:

The present invention is directed to a host computer that communicates with plurality of

printing apparatuses via a network, wherein the host comprising a reference unit, a font

registration unit, a management unit, a selection unit, and an instruction unit.   The independent

claims 24, 31-33, 40-41, 51, 58, and 59 identify an uniquely distinct feature "a management unit

adapted to retain the font registration information irrespective of a timing for executing a printing

process, indicating the font name unit font data downloaded to each of the plurality of printing

apparatuses by font registration unit, and a selecting unit and second selecting unit adapted to

select a deletion and download combination of any one of the plurality of printing apparatuses

and a font name based on the font registration information referred to by reference unit" and in

combination with other limitations as set forth in the independent claims. Claims 26, 30, 35, 39,

53, and 57 are allowed due to dependent claims.

6.   Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for
Allowance."

Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Phuoc H. Nguyen whose telephone number is 571-272-3919.
The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's
supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the
organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent
Application Information Retrieval (PAIR) system. Status information for published applications
may be obtained from either Private PAIR or Public PAIR. Status information for unpublished
applications is available through Private PAIR only. For more information about the PAIR
system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR
system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

<div style="text-align: right">
Phuoc H Nguyen
Examiner
Art Unit 2143
</div>

July 6, 2006

DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100